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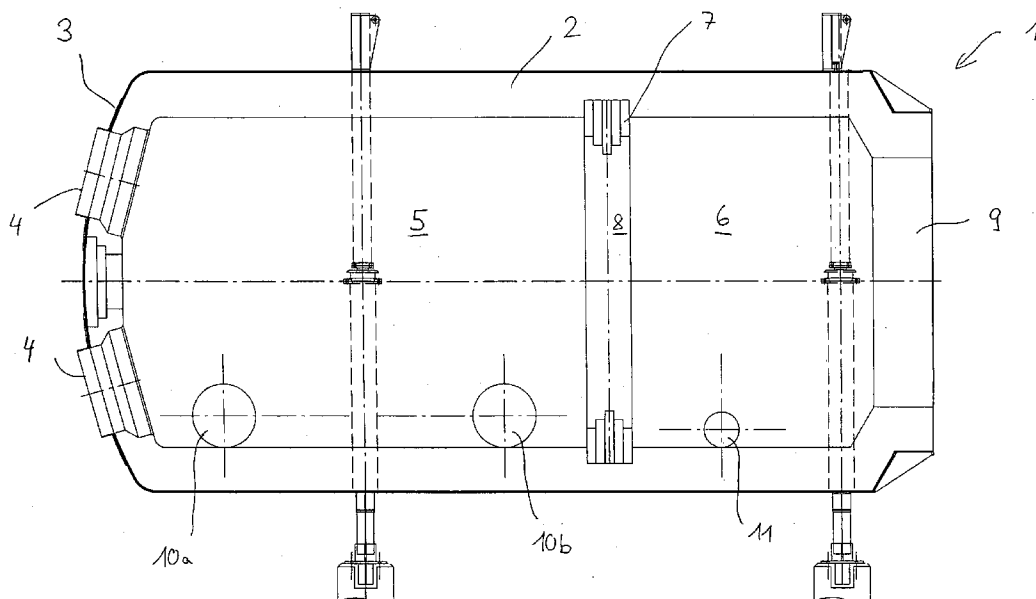
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(54) Title: PROCESS AND APPARATUS FOR THE COMBUSTION OF SULFUR



(57) Abstract: During the combustion of sulfur with air for producing sulfur dioxide, sulfur is burnt in a first portion of the combustion furnace under substoichiometric conditions. The sulfur dioxide formed in the first portion and unburnt sulfur are supplied to a second portion of the furnace adjoining the first portion, in that they are subjected to post-combustion with air. This provides for the production of sulfur-dioxide- containing gas free from nitrogen oxide.

INTERNATIONAL SEARCH REPORT

International application No

PCT/EP2007/001128

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According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
C01B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, CHEM ABS Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 3 879 530 A (PERRET JEAN-PIERRE ET AL) 22 April 1975 (1975-04-22) column 4, line 12 - line 62; figure 1	1,2,4, 6-14, 16-19
X	US 4 966 757 A (LEWIS RICHARD A J [US] ET AL) 30 October 1990 (1990-10-30) column 3, line 54 - column 6, line 32; figure 1	1,2,6, 11,13
X	DE 20 63 021 A1 (PETERSEN G) 13 July 1972 (1972-07-13) claims; figure 7	13 1-4
X	DE 16 67 421 A1 (TSNI I PK KOTLOTURBINY I IM P0) 10 February 1972 (1972-02-10) figure 1	13 1-12
A	-/--	



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C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	GB 827 627 A (HEURTEY & CIE)	13
A	10 February 1960 (1960-02-10) figure 1	1-12
X	----- SANDER U H F ED - SANDER U H F ET AL: "PRODUCTION FROM ELEMENTAL SULPHUR" SULPHUR, SULPHUR DIOXIDE AND SULPHURIC ACID. INTRODUCTION TO THEIR INDUSTRIAL CHEMISTRY AND TECHNOLOGY, LONDON, BRITISH SULPHUR CORPORATION, GB, 1984, pages 168-176, XP000606085 page 175 - page 176	13
A	-----	1-12

INTERNATIONAL SEARCH REPORT

Information on patent family members

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